

## **ABSTRACT**

A sensor system includes a sensor signal processing unit and an analytical unit. The analytical unit is designed in such a way that at least one parameter for signal processing can be redefined on the basis of the output signals delivered by the sensor processing unit. At least one connecting line between a sensor-signal processing unit and the analytical unit establishes a connection for transmitting at least one of the newly defined parameters for processing the sensor signal to the sensor-signal processing unit. The newly transmitted parameters for processing the sensor signal replace the originally prescribed parameters.